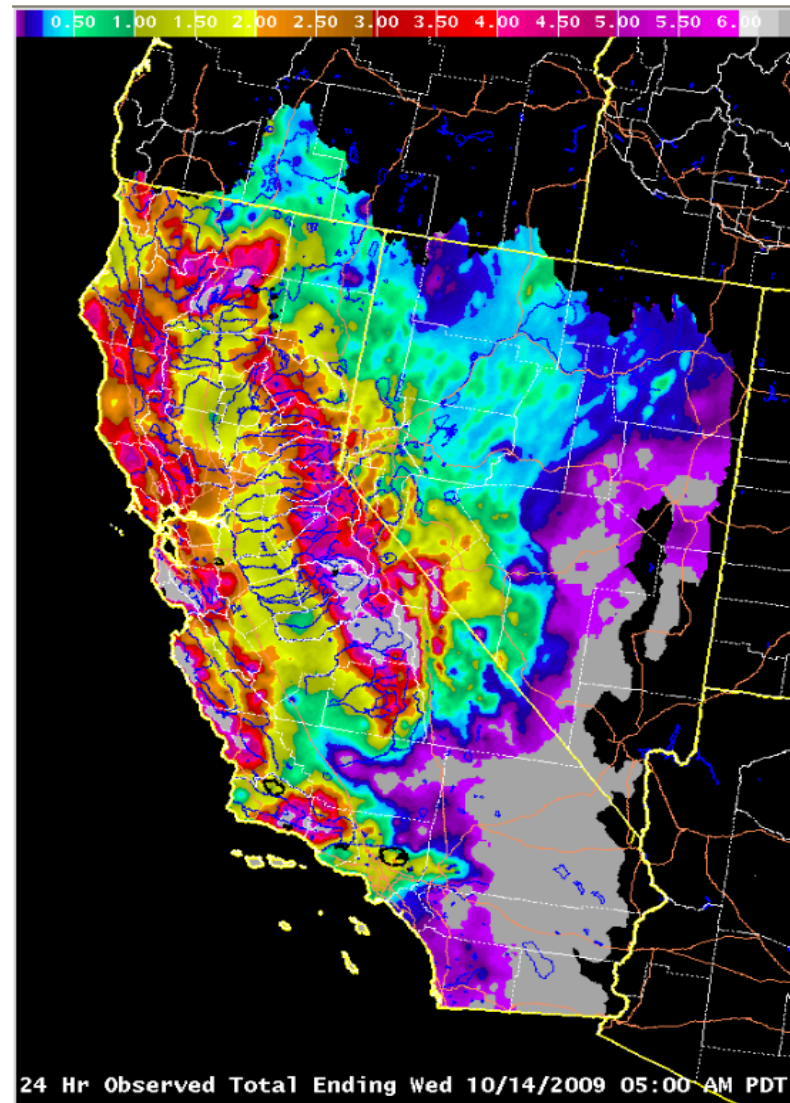


October Verification Call

Review of California Rainstorm
DFM Assignment Review & Discussion

October 28, 2009

What a Rainstorm!



Kudos

- Big event with good model consistency
- Raised PoPs early; QPF well coordinated
- Alerted state on Thursday before holiday weekend (Tues. event) - good decision support
- This call – overview of models, PoPs, QPF
- A postmortem call to discuss services with CA WFO's is planned

Rainwater blamed for Citrus Heights business roof collapse

By Chelsea Phua
cphua@sacbee.com



Published: Wednesday, Oct. 14, 2009 - 1:56 pm
Last Modified: Friday, Oct. 16, 2009 - 11:25 am

Water build-up from this week's rainstorm caused the roof of an appliance store in Citrus Heights to collapse late Wednesday morning, fire officials said.

The partial collapse on Greenback Lane occurred at Filco, a discount chain business that has other outlets on Fulton Avenue in Sacramento and in Folsom.



Renee C. Byer / rbyer@sacbee.com

Firefighters work at the scene where the roof of the Filco store in Citrus Heights partially collapsed in the wake of Tuesday's torrential rainstorm.

Video:

Soggy mess? Check. Drought over? Not so fast

Kevin Fagan, Chronicle Staff Writer
Thursday, October 15, 2009

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(10-14) 13:34 PDT SAN FRANCISCO -- As the Bay Area dug out of the muddy mess left over from Tuesday's record-shattering storm, the one bit of truly good news that might have come out of all that rain turned out not to exist.

IMAGES



In other words: No, this doesn't mean the drought is over.

Even fire season isn't over yet.



Big Sur River



Delays at SFO; Oakland and Sonoma County airports OK

By BOB NORBERG
THE PRESS DEMOCRAT

Published: Tuesday, October 13, 2009 at 7:19 a.m.
Last Modified: Tuesday, October 13, 2009 at 7:19 a.m.

Arriving flights at San Francisco International Airport were experiencing up to 3 hour delays caused by rain and windy conditions, FAA officials reported. That was expected to cause delays of outgoing flights throughout the day.

Storm allows Cal Fire to ease burn restrictions

By Kim Minugh
kminugh@sacbee.com



Published: Wednesday, Oct. 14, 2009 - 12:00 am

Following cool temperatures and the region's first significant rain, the California Department of Forestry and Fire Protection announced Tuesday a decrease in burn restrictions in Nevada, Yuba and Placer counties.

Rains pound wine grape crops

By Bill Lindelof
blindelof@sacbee.com



Published: Tuesday, Oct. 13, 2009 - 10:13 am

The more it rains, the more the wine grape crop will suffer, according to the California Association of Winegrape Growers in Sacramento.

Santa Cruz County hillsides give way in rain

Central Coast: Evacuations, power outages in massive storm

The Monterey County Herald

MediaNews

Updated: 10/14/2009 09:38:35 AM PDT

SANTA CRUZ — The first storm of the season — the biggest in October on the Central Coast since 1962 — pounded Santa Cruz County with heavy rain and high winds Tuesday, knocking down trees and power lines, flooding roads, closing schools and state parks, touching off mudslides and forcing evacuations.

More than 10 inches of rain fell in parts of the county, with wind gusts approaching 50 mph.

Emergency crews rushed from one problem to another. Thousands lost power, and though no major accidents were reported, there were plenty of minor crashes.

Still, county officials said it could have been worse given the amount of rain that fell and the vulnerability of terrain after large wildland fires scorched the Santa Cruz Mountains this past summer and in 2008.



Chris Wright tries to unclog a storm drain as rain falls... (MARCIO JOSE SANCHEZ/Associated Press)

Storm leaves thousands without power in L.A.

Ads by Google

Coffee Fool Exposed

A shocking secret coffee co's don't want you to know

www.coffeefool.com

Emergency Supplies guide

Looking to find Emergency Supplies? See our Emergency Supplies guide.

UsMilitarySurplus.com

By Robert J. Lopez

Los Angeles Times Staff Writer

October 13, 2009 | 9:45 p.m.

[E-mail](#) [Print](#) [Share](#) [Text Size](#)

About 12,000 people throughout Los Angeles were without power tonight after the first storm of the season buffeted the region with rain and wind, officials said.

Record rainfall, high winds wreak havoc in Modesto area

Bee Staff Reports

9:23 p.m. Update: While Modesto reached a record for rainfall, it's the nearly 40 mph wind that continued to wreak havoc in the city and surrounding towns on Tuesday afternoon, sending trees and debris into houses, cars and streets.

City crews, police, firefighters and irrigation district workers tirelessly tended to hundreds of reports of downed trees and power lines throughout the Northern San Joaquin Valley.

"Trees are down everywhere," said Modesto Police Department Lt. Scott Blom.



Modesto Bee - Workers repair the service box that was hit by a vehicle early Tuesday morning.

The incidents are numerous:

— More than a few people have been trapped in their cars after trees fell on top of them, including one woman who escaped injury while waiting for her child to get out of school.

— There were hundreds of reports of trees into houses, cars and onto roadways.

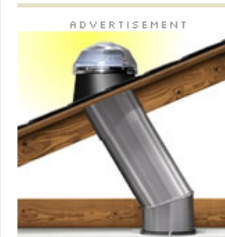
— Power was out in at some point in nearly every town, including Modesto, where 150 Modesto Irrigation District employees worked feverishly to restore electricity to thousands of customers.

Big storm restores Lake Tahoe to natural rim level

BY JEFF DE LONG • JDELONG@RGJ.COM • OCTOBER 15, 2009

[Read Comments\(1\)](#) [Recommend\(1\)](#) [Print this page](#) [E-mail this article](#) [Share](#) [?](#)

Heavy rains came just in time to keep the Truckee River's flow from dropping to a trickle and raise Lake Tahoe's water levels above the natural rim.



About 7.8 billion gallons of water entered Tahoe during Tuesday's storm, enough to more than half-fill Boca Reservoir, said Chad Blanchard, chief deputy water master.

It was enough to raise the lake to just above its rim after dropping below that point over the weekend, Blanchard said.

Rains also likely brought an end to any threat of major wildfires, officials said.

Storm drenches Valley; Fresno sets rain mark

First big rainfall zaps power in the Valley; Fresno breaks record.

Published online on Tuesday, Oct. 13, 2009

By Pablo Lopez, Paula Lloyd and Jim Guy / The Fresno Bee

[Comments \(9\)](#) [Recommend \(6\)](#)

The central San Joaquin Valley and the Sierra Nevada should begin drying out this morning after the first storm of the season moves on, leaving behind power outages and a mind-boggling amount of rainfall.

Nearly 14 inches of rain fell in the last 24 hours in Dinkey Creek, 10 inches at Wishon Dam, 8 inches at Shaver Lake and 9.25 inches at Mariposa Grove.

"It's nuts," said Jim Dudley, a meteorologist with the National Weather Service in Hanford. "It doesn't happen very often. That's a lot of rain."

Dudley said he had been watching the rainfall figures climb through the night. "It's been pretty interesting."

Other areas recording high amounts of rainfall include Yosemite Valley with 4.83 inches and Oakhurst with 4.46 inches.



DARRELL WONG / THE FRESNO BEE

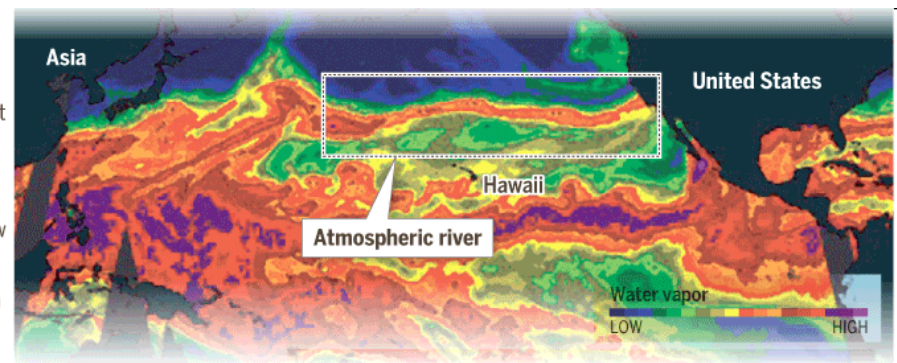
SIMILAR STORIES:

- [Warmer days in Valley follow big storm](#)
- [Mudslide menace eases in Calif. as storm weakens](#)
- [Mudslide menace eases in Calif. as storm weakens](#)
- [Mudslide menace eases in Calif. as storm weakens](#)
- [Mudslide menace eases in Calif. as storm weakens](#)



RIVERS IN THE AIR

The storm that hit Northern California on Tuesday was an "atmospheric river," which drew a column of moisture across the Pacific Ocean from Indonesia directly to California.



DAMAGE ON THE GROUND

The impact of atmospheric rivers through the years:



Sacramento History Archives

1862 The entire Central Valley was flooded by the storm, probably caused by an atmospheric river.



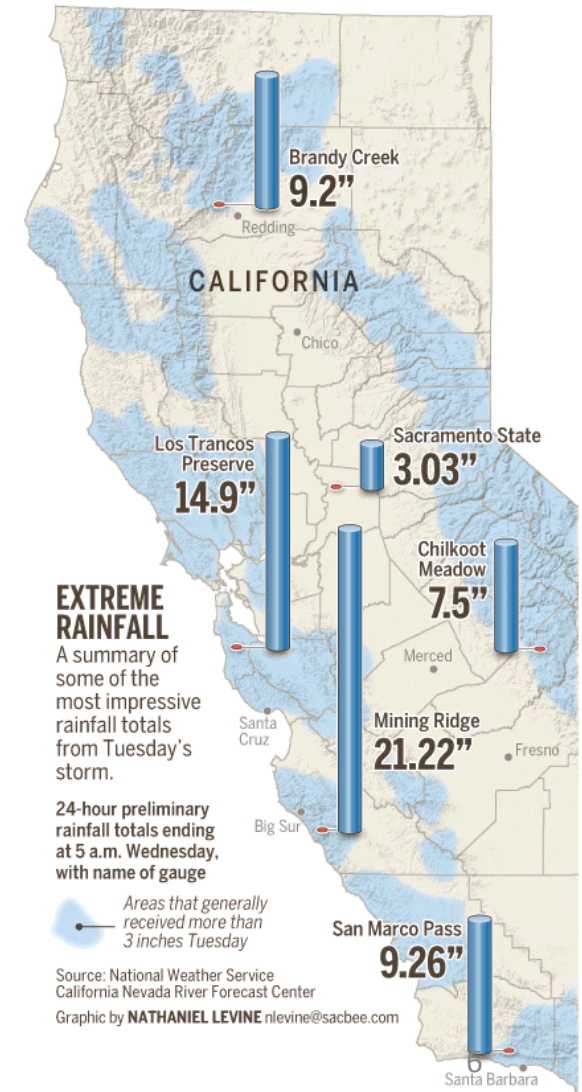
RANDY PENCH Bee file

1986 A neighborhood in Del Paso Heights was inundated, and at least 14 people died statewide.



LEZLIE STERLING lsterling@sacbee.com

2009 Tuesday's storm created a lot of debris but no major flooding. Some called it a lucky break.



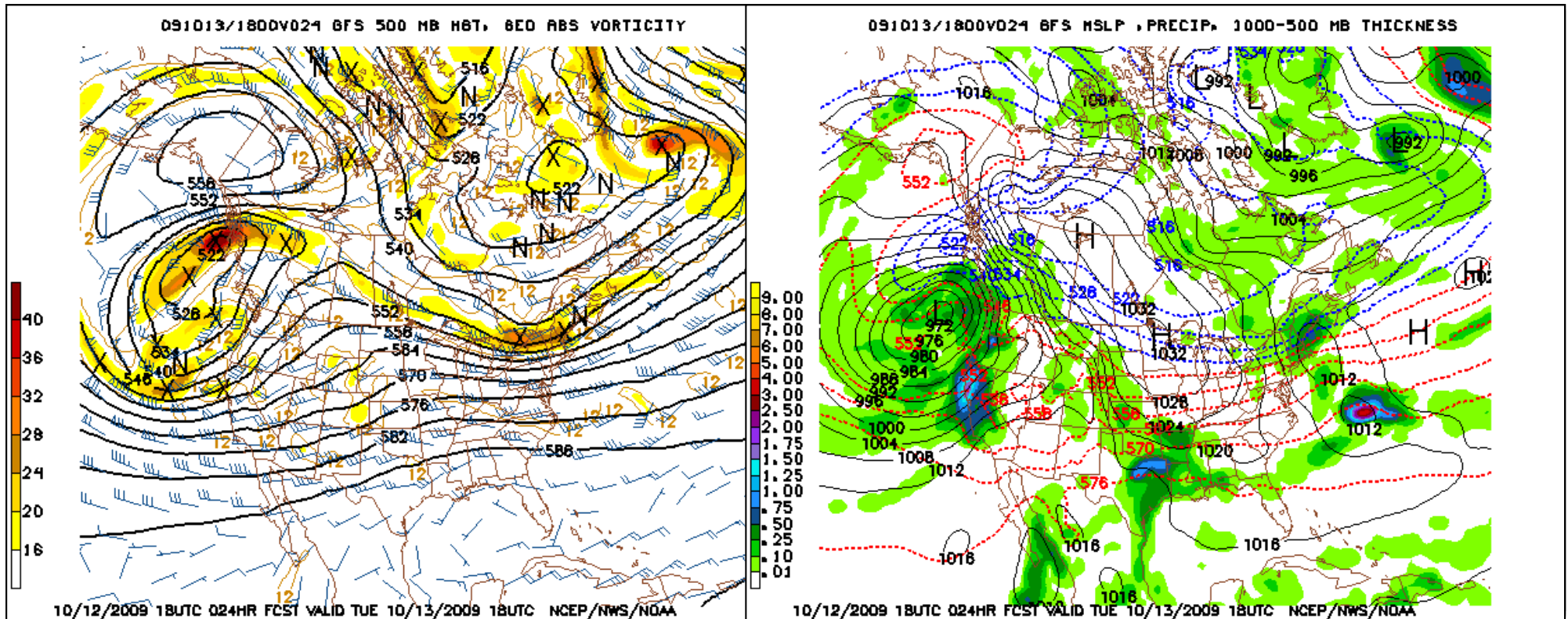
EXTREME RAINFALL

A summary of some of the most impressive rainfall totals from Tuesday's storm.

24-hour preliminary rainfall totals ending at 5 a.m. Wednesday, with name of gauge

Areas that generally received more than 3 inches Tuesday

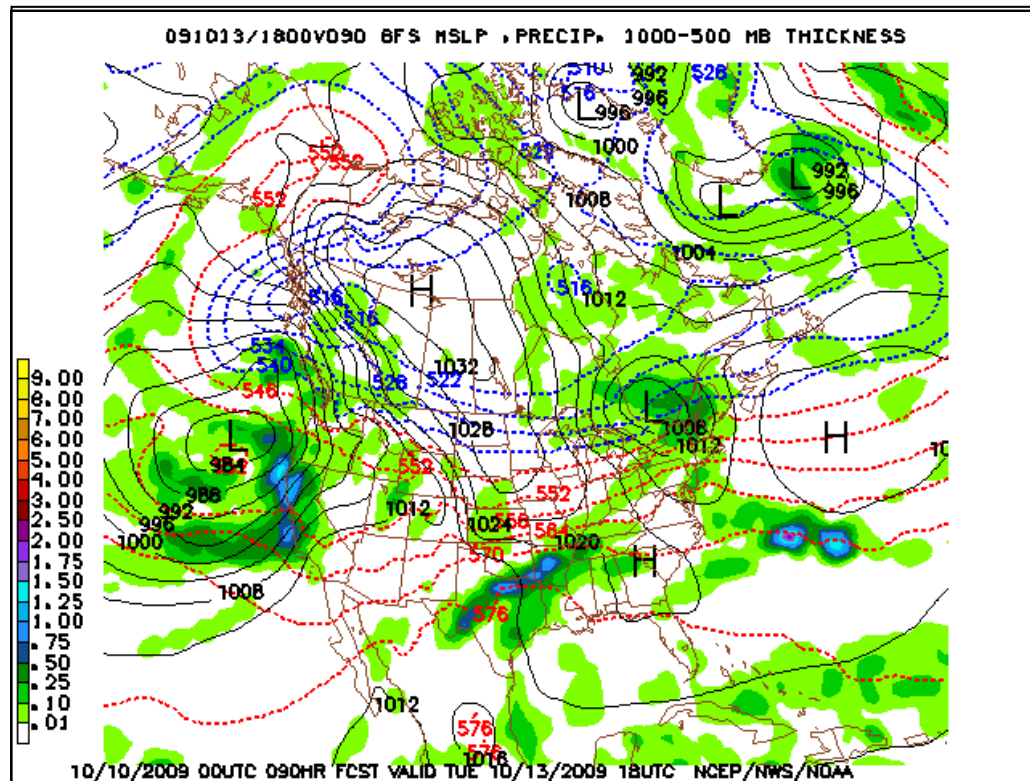
GFS 500mb and Surface Charts – Verif. 18Z 13 Oct.



168 144 120 96 72 48 24

GFS Flip Flop?

138 (08/00Z)
132 (08/06Z)
126 (08/12Z)
120 (08/18Z)
114 (09/00Z)
108 (09/06Z)
102 (09/12Z)
096 (09/18Z)
090 (10/00Z)



PoP and QPF Forecasts – Verif. 18Z 13 Oct.

Guidance

Official Fcst

NPVU

172

150

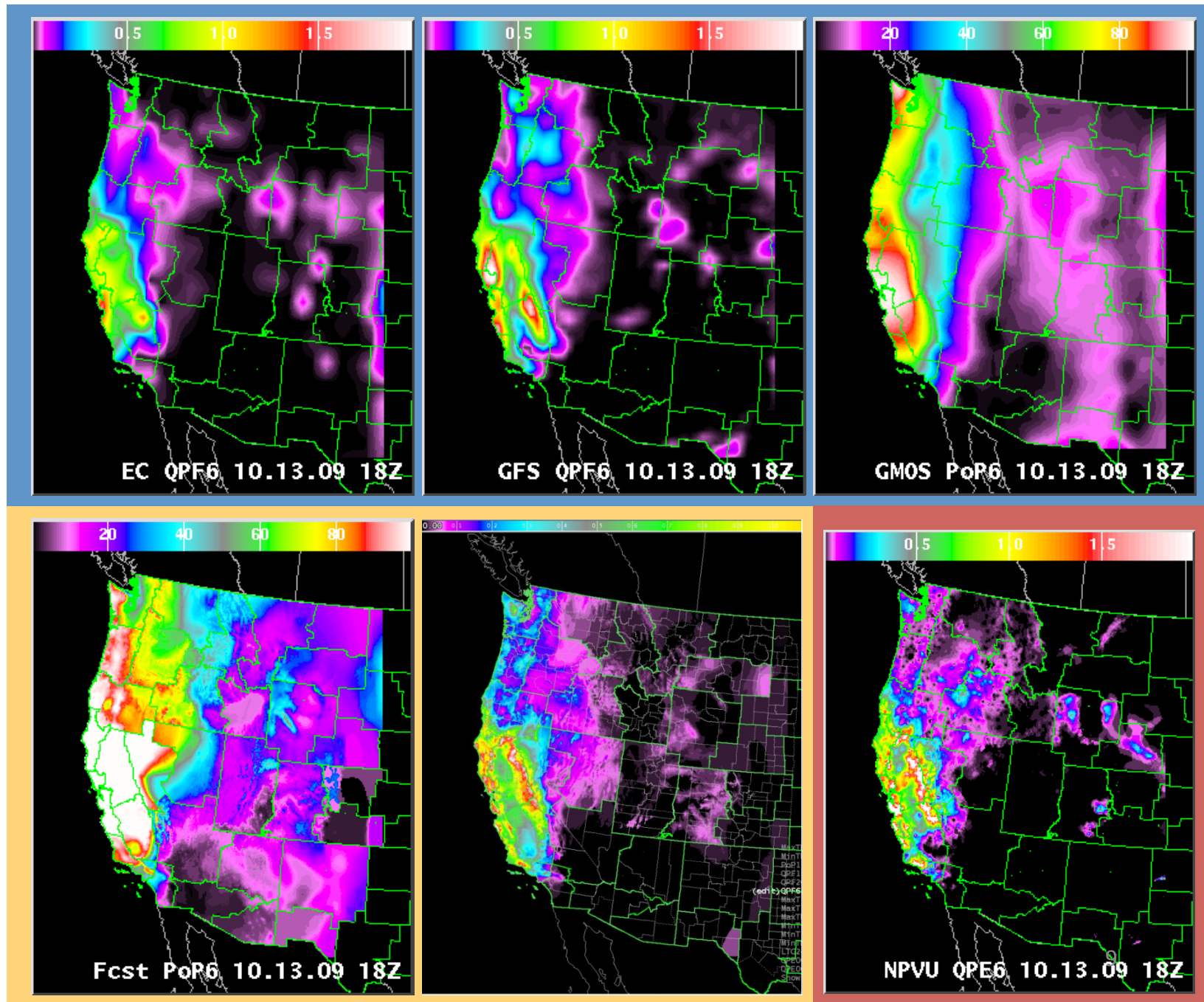
126

102

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PoP Verification – 18Z 13 Oct.

